

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/582,370  
Source: IFWP  
Date Processed by STIC: 8/7/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , **EFS Submission User Manual - ePAVE**)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/587,370</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ___ Wrapped Nucleics ___ Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ___ Invalid Line Length	The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.	
3 ___ Misaligned Amino ___ Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.	
4 ___ Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as <b>required</b> by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>	
5 ___ Variable Length	Sequence(s) ___ contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ___ PatentIn 2.0 ___ "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 ___ Skipped Sequences (OLD RULES)	Sequence(s) ___ missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 ___ Skipped Sequences (NEW RULES)	Sequence(s) ___ missing. If <b>intentional</b> , please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ___ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of <b>n</b> or <b>Xaa</b> , and which residue <b>n</b> or <b>Xaa</b> represents.	
10 ___ Invalid <213> Response	Per 1.823 of Sequence Rules, the only <b>valid</b> <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 ___ Use of <220>	Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 ___ PatentIn 2.0 ___ "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ___ Misuse of n/Xaa	"n" can <b>only</b> represent a single <u>nucleotide</u> ; "Xaa" can <b>only</b> represent a single <u>amino acid</u>	



IFWP

## RAW SEQUENCE LISTING

DATE: 08/07/2006

PATENT APPLICATION: US/10/587,370

TIME: 09:35:48

Input Set : A:\11669.0237USWO-Sequence Listing.txt

Output Set: N:\CRF4\08072006\J587370.raw

3 <110> APPLICANT: Genentech, Inc.  
 5 <120> TITLE OF INVENTION: BCMA POLYPEPTIDES AND USES THEREOF  
 7 <130> FILE REFERENCE: 11669.0237USWO  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/587,370  
 10 <141> CURRENT FILING DATE: 2006-07-26  
 12 <150> PRIOR APPLICATION NUMBER: PCT/US2004/025247  
 13 <151> PRIOR FILING DATE: 2004-08-04  
 15 <150> PRIOR APPLICATION NUMBER: US 60/540,271  
 16 <151> PRIOR FILING DATE: 2004-01-29  
 18 <160> NUMBER OF SEQ ID NOS: 33  
 20 <170> SOFTWARE: PatentIn version 3.3  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 34  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Formula I  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: MISC\_FEATURE  
 33 <222> LOCATION: (2)..(5)  
 34 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: MISC\_FEATURE  
 38 <222> LOCATION: (7)..(7)  
 39 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 44 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: MISC\_FEATURE  
 48 <222> LOCATION: (11)..(11)  
 49 <223> OTHER INFORMATION: Xaa is any amino acid residue except Ala and cysteine  
 51 <220> FEATURE:  
 52 <221> NAME/KEY: MISC\_FEATURE  
 53 <222> LOCATION: (12)..(13)  
 54 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 56 <220> FEATURE:  
 57 <221> NAME/KEY: MISC\_FEATURE  
 58 <222> LOCATION: (16)..(16)  
 59 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 61 <220> FEATURE:  
 62 <221> NAME/KEY: MISC\_FEATURE

ppr 1-6

Does Not Comply  
Corrected Diskette Needed

insufficient. Give  
source of genetic  
material  
(see item 11  
on Enon  
summary  
sheet)

## RAW SEQUENCE LISTING

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TIME: 09:35:48

Input Set : A:\11669.0237USWO-Sequence Listing.txt

Output Set: N:\CRF4\08072006\J587370.raw

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63 <222> LOCATION: (18)..(20)
64 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine
66 <220> FEATURE:
67 <221> NAME/KEY: MISC_FEATURE
68 <222> LOCATION: (22)..(29)
69 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine
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72 <221> NAME/KEY: MISC_FEATURE
73 <222> LOCATION: (31)..(33)
74 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine
76 <400> SEQUENCE: 1
W--> 78 Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa
79 1 5 10 15
82 Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
83 20 25 30
86 Xaa Cys
90 <210> SEQ ID NO: 2
91 <211> LENGTH: 40
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
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112 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine
114 <220> FEATURE:
115 <221> NAME/KEY: MISC_FEATURE
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117 <223> OTHER INFORMATION: Xaa is any amino acid residue except Ala and cysteine
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127 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine
129 <220> FEATURE:
130 <221> NAME/KEY: MISC_FEATURE
131 <222> LOCATION: (18)..(20)

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## RAW SEQUENCE LISTING

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Input Set : A:\11669.0237USWO-Sequence Listing.txt

Output Set: N:\CRF4\08072006\J587370.raw

132 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 134 <220> FEATURE:  
 135 <221> NAME/KEY: MISC\_FEATURE  
 136 <222> LOCATION: (22)..(29)  
 137 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 139 <220> FEATURE:  
 140 <221> NAME/KEY: MISC\_FEATURE  
 141 <222> LOCATION: (31)..(33)  
 142 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 144 <400> SEQUENCE: 2  
 W--> 146 Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa  
 147 1 5 10 15  
 150 Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 151 20 25 30  
 154 Xaa Cys Asn Ser Val Lys Gly Thr  
 155 35 40  
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 159 <211> LENGTH: 34  
 160 <212> TYPE: PRT  
 161 <213> ORGANISM: Artificial Sequence  
 163 <220> FEATURE:  
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 167 <220> FEATURE:  
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 170 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 178 <221> NAME/KEY: MISC\_FEATURE  
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 180 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 183 <221> NAME/KEY: MISC\_FEATURE  
 184 <222> LOCATION: (11)..(11)  
 185 <223> OTHER INFORMATION: Xaa is Leu, Val or Ile  
 187 <220> FEATURE:  
 188 <221> NAME/KEY: MISC\_FEATURE  
 189 <222> LOCATION: (12)..(13)  
 190 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 193 <221> NAME/KEY: MISC\_FEATURE  
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 195 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 197 <220> FEATURE:  
 198 <221> NAME/KEY: MISC\_FEATURE  
 199 <222> LOCATION: (18)..(20)

## RAW SEQUENCE LISTING

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Input Set : A:\11669.0237USWO-Sequence Listing.txt

Output Set: N:\CRF4\08072006\J587370.raw

200 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 203 <221> NAME/KEY: MISC\_FEATURE  
 204 <222> LOCATION: (22)..(29)  
 205 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 207 <220> FEATURE:  
 208 <221> NAME/KEY: MISC\_FEATURE  
 209 <222> LOCATION: (31)..(33)  
 210 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 212 <400> SEQUENCE: 3  
 W--> 214 Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa  
 215 1 5 10 15  
 218 Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 219 20 25 30  
 222 Xaa Cys  
 226 <210> SEQ ID NO: 4  
 227 <211> LENGTH: 34  
 228 <212> TYPE: PRT  
 229 <213> ORGANISM: Artificial Sequence  
 231 <220> FEATURE:  
 232 <223> OTHER INFORMATION: Formula I  
 235 <220> FEATURE:  
 236 <221> NAME/KEY: MISC\_FEATURE  
 237 <222> LOCATION: (2)..(5)  
 238 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 240 <220> FEATURE:  
 241 <221> NAME/KEY: MISC\_FEATURE  
 242 <222> LOCATION: (7)..(7)  
 243 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 246 <221> NAME/KEY: MISC\_FEATURE  
 247 <222> LOCATION: (9)..(9)  
 248 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 250 <220> FEATURE:  
 251 <221> NAME/KEY: MISC\_FEATURE  
 252 <222> LOCATION: (11)..(11)  
 253 <223> OTHER INFORMATION: Xaa is any amino acid residue except Ala and cysteine  
 255 <220> FEATURE:  
 256 <221> NAME/KEY: MISC\_FEATURE  
 257 <222> LOCATION: (12)..(13)  
 258 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 260 <220> FEATURE:  
 261 <221> NAME/KEY: MISC\_FEATURE  
 262 <222> LOCATION: (16)..(16)  
 263 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 265 <220> FEATURE:  
 266 <221> NAME/KEY: MISC\_FEATURE  
 267 <222> LOCATION: (18)..(18)  
 268 <223> OTHER INFORMATION: Xaa is selected from the group consisting of Gln, Asp and

Ala

## RAW SEQUENCE LISTING

DATE: 08/07/2006

PATENT APPLICATION: US/10/587,370

TIME: 09:35:48

Input Set : A:\11669.0237USWO-Sequence Listing.txt

Output Set: N:\CRF4\08072006\J587370.raw

270 <220> FEATURE:  
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 272 <222> LOCATION: (19)..(20)  
 273 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 278 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 283 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 285 <400> SEQUENCE: 4  
 W--> 287 Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa  
 288 1 5 10 15  
 291 Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 292 20 25 30  
 295 Xaa Cys  
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 300 <211> LENGTH: 34  
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 302 <213> ORGANISM: Artificial Sequence  
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 311 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 315 <222> LOCATION: (7)..(7)  
 316 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 320 <222> LOCATION: (9)..(9)  
 321 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 323 <220> FEATURE:  
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 325 <222> LOCATION: (11)..(11)  
 326 <223> OTHER INFORMATION: Xaa is any amino acid residue except Ala and cysteine  
 328 <220> FEATURE:  
 329 <221> NAME/KEY: MISC\_FEATURE  
 330 <222> LOCATION: (12)..(13)  
 331 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
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 334 <221> NAME/KEY: MISC\_FEATURE  
 335 <222> LOCATION: (16)..(16)  
 336 <223> OTHER INFORMATION: Xaa is any amino acid except cysteine  
 338 <220> FEATURE:

*please correct this error in subsequent sequences.*

**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/587,370**

DATE: 08/07/2006  
 TIME: 09:35:49

Input Set : A:\11669.0237USWO-Sequence Listing.txt  
 Output Set: N:\CRF4\08072006\J587370.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29~~  
 Seq#:1; Xaa Pos. ~~31,32,33~~  
 Seq#:2; Xaa Pos. ~~2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29~~  
 Seq#:2; Xaa Pos. ~~31,32,33~~  
 Seq#:3; Xaa Pos. ~~2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29~~  
 Seq#:3; Xaa Pos. ~~31,32,33~~  
 Seq#:4; Xaa Pos. ~~2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29~~  
 Seq#:4; Xaa Pos. ~~31,32,33~~  
 Seq#:5; Xaa Pos. ~~2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33~~  
 Seq#:5; Xaa Pos. 33  
 Seq#:10; Xaa Pos. 2,3,4,5,6,7,9,11,12,13,15,16,18,19,20,22,23,24,25,26,27  
 Seq#:10; Xaa Pos. 28,29,31,32,33  
 Seq#:11; Xaa Pos. 2,3,4,5,6,7,9,11,12,13,15,16,18,19,20,22,23,24,25,26,27  
 Seq#:11; Xaa Pos. 28,29,31,32,33  
 Seq#:12; Xaa Pos. 2,3,4,5,6,7,9,11,12,13,15,16,18,19,20,22,23,24,25,26,27  
 Seq#:12; Xaa Pos. 28,29,31,32,33  
 Seq#:19; Xaa Pos. 2,3,4,5,6,7,9,11,12,13,15,16,18,19,20,22,23,24,25,26,27  
 Seq#:19; Xaa Pos. 28,29,31,32,33  
 Seq#:28; Xaa Pos. 2,3,4,5,7,9,11,12,13,16,18,19,22,23,24,25,26,27,28,29,31  
 Seq#:28; Xaa Pos. 32,33  
 Seq#:33; Xaa Pos. 2,3,4,5,6,7,9,11,12,13,15,16,18,19,20,22,23,24,25,26,27  
 Seq#:33; Xaa Pos. 28,29,31,32,33



**VERIFICATION SUMMARY**

DATE: 08/07/2006

PATENT APPLICATION: US/10/587,370

TIME: 09:35:49

Input Set : A:\11669.0237USWO-Sequence Listing.txt

Output Set: N:\CRF4\08072006\J587370.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3  
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
M:341 Repeated in SeqNo=10  
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
M:341 Repeated in SeqNo=11  
L:758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
M:341 Repeated in SeqNo=12  
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:1485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
M:341 Repeated in SeqNo=28  
L:1734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
M:341 Repeated in SeqNo=33